\Orchestrating a brighter world NEC

PH1202HL
Laser Projector

Datasheet





NEC's new bright NEC PH1202HL , a 3DLP Laser Installation Projector delivers all the benefits associated with the latest laser light source. With no lamp replacement necessary, maintenance is not required and longevity is assured. Achieving an outstanding colour gamut and supreme image detail at high resolutions, laser is the light source of the future.

Addressing the demanding large venue environment, the new NEC PH1202HL presents high brightness, Super Dust Protection and professional installation features **for superior projection performance within Rental/Staging, Higher Education, Museums, large Corporates and Signage installations.**

Benefits

No lamp replacement – up to 20,000 h maintenance free operation possible due to Laser Light Source.

Easy installation – selection of wide zoom bayonet lenses, wide vertical and horizontal lens shift and control code emulation guarantees hassle-free installation and replacement of old installation projectors.

Easy way to a big picture – up to 4K interface, HDMI-out signal loop through, built-in signal splitter and edge blending capability enables large presentation pictures without any external devices. PiP function allows additional sources to be displayed.

Outstanding Picture Quality – whole new visualisation experience with high brightness, up to 12.000 ANSI input signal and unique picture & colour processing technology based on the latest NEC scaler chip.

Rich connectivity – including HDBaseT, the world's first HDMI-out interface, 1xHDMI and DisplayPort technology guarantees outstanding connectivity.

Widest application support – portrait mode projection, 360 degree free tilt installation, unique geometric adjustment and 3D support offers unrivalled installation capability.

Super Dust Protection – NEC's patented heat exchanger and the completely sealed optical engine offer continuously best performance in harsh Rental/Staging environment.

Product Information

Product Name	PH1202HL
Product Group	Laser Projector
Order Code	60003902

Image

Projection Technology	3-chip DLP™ Technology
Native Resolution	1920 x 1080 (1080p)
Contrast Ratio [1]	10000:1
Brightness [1]	12000 ANSI Lumen, with std. optional lense
Lamp	Laser Light Source
Lamp Life [hrs]	20000; 30000 in long-life mode
Lens	6 optional bayonet lenses
Projection Factor	depending on lens selection
Projection Distance [m]	1.4 – 74.7
Screen Size (diagonal) [cm] / [inch]	Maximum: 1,524 / 600"; Minimum: 152 / 60"
Zoom	Motorized
Focus Adjustment	Motorized
Supported Resolutions	4096 x 2160 (4k); 2560 x 1600 (WQXGA); 2048 x 1080 (2k); 1920x1200 (WUXGA) - 640x480 (VGA); 1080i/50/60; 1080p/24/25/30/50/60; 720p/60; 720p/50; 576i/50; 576p/50; 480p/60; 480i/50
Frequency	Horizontal: analog: 15/24-100 kHz, digital: 15/24-153 kHz; Vertical: analog: 48-120 Hz, digital: 24-120 Hz

Connectivity

RGB (analog)	Input: 1 x 5BNC, shared with Component Signal (YPbPr); 1 x Mini D-sub 15 pin
Digital	Input: 1 x DisplayPort supporting HDCP; 1 x HDBaseT; 1 x HDMI™ supporting HDCP Output: 1 x HDMI supporting HDCP
Video	Input: 1 x BNC R Share
S-Video	Input: 1 x BNC G/B Share
Control	Input: 1 x 3.5 mm Stereo Mini Jack (Wired Remote); 1 x D-Sub 9 pin (RS-232), Ethernet; 1 x Ethernet shared with HDBaseT
Option Slot	Input: 1 x Slot for optional OPS modules
USB	1 x Type A (USB 2.0 high speed for mouse support)
3D Sync	Output: 1 x Mini DIN 3pin
Video Signals	NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

Remote Control

Input:	1 x 3.5 mm Stereo Mini Jack
Remote Control	Auto Adjust; AV Mute; Direct Info; Direct Source Select; Eco Mode Control; Freeze-function; Full Lense control; Help-function; ID Select; Illuminated Buttons; Input Control; Magnify-function; On Screen On/Off Selection; Picture Adjust; PIP Function; Power (On-OFF); Select (up, down, left, right); Shutter function; Test Picture; Wired / Wireless Connection

Electrical

Power Supply	200-240 V AC; 50 - 60 Hz
Power Consumption [W]	1392 Normal Mode; 752 Eco Mode

Mechanical

Dimensions (W x H x D) [mm]	680 x 333 x 860 (without lens and feet)
Weight [kg]	68

Fan Noise [dB (A)]	43 / 47 (Eco / Normal)
Colour Versions	Black

Ergonomics

Safety and Ergonomics	CE; ErP; RoHS; TUEV Type Approved

Additional Features

Special Characteristics	4K Interface; AMX Beacon; Built-in Display/Multiscreen Splitter; Cinema Quality Picture (CQP) Processing for best image quality; Crestron RoomView; DICOM Simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function (Build In); Free Tilt; Full 3D HDMI Support; Geometric Correction; HDBaseT; Keystone Correction (H=±40°, V=±40°); LAN; Lens Shift (vertical +0,5 max/-0,5 max, horizontal ± 0,11 max.); Light Source Adjustment; Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; OPS module support; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; RS-232 Control; Stacking Function; Timer-Function; Virtual Remote for direct PC control

Green Features

Energy Efficiency	Laser Light Source
Ecological Materials	100% recyclable packaging; Downloadable manuals
Ecological Standards	ErP compliant

Warranty

Projectors	3 years pan-European service
Light Source	3 years or 10000h (whatever comes first)

Shipping Content

Shipping Contents	IR Remote Control (RD - 465E); Network Set-up Guide; Power Cord; Projector; Quick Setup Guide; Users Manual on CD-ROM; Utility software

Optional Accessories

Optional Accessories	DLP-Link 3D Glasses (VolfoniFit); XpanD 3D Glasses (X105-RFX2); XpanD 3D RF Emitter (AD025-RF-X1)
Lenses	NP-9LS08ZM1 (0.9-1.35:1); NP-9LS12ZM1 (1.27-1.82:1); NP-9LS13ZM1 (1.42-2.23:1); NP-9LS16ZM1 (1.71-2.87:1); NP-9LS20ZM1 (2.25-4.18:1); NP-9LS40ZM1 (4.31-6.77:1)
OPS Slot-in Modules	Digital Signage Player; HD/SD-SDI Module; HDBaseT Receiver; Slot-in PCs

[1] Compliance with ISO21118-2012

This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Ed3 2014 and is classified as RG3 of IEC62471-5 Ed1 2015.
DO NOT LOOK DIRECTLY INTO THE BEAM.

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